ORIGINAL

T-12288 (2)

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Job No. PH-7019 *Map No.* T-12288 (2)

Classification No. *Edition No.* 2

Field Edited Map

LOCALITY

State North Carolina

General Locality Cape Fear, N. C. to Murrells Inlet, S. C.

Locality Holden Beach

1969 TO 1975

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1973-761-775

T-12288 (2)

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR

TO REGISTRATION

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: ☐ ORIGINAL ☒ RESURVEY ☐ REVISED

SURVEY ~~T-~~ T-12288(2)

MAP EDITION NO. (2)

MAP CLASS Final

JOB PH. 7019

PHOTOGRAMMETRIC OFFICE: Coastal Mapping Division (Norfolk)

OFFICER-IN-CHARGE: Jeffrey G. Carlen, CDR

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: ☒ ORIGINAL T-12288 ☐ RESURVEY ☐ REVISED

JOB PH. 6217

MAP CLASS

SURVEY DATES: 1963 TO 1965

I. INSTRUCTIONS DATED

1. OFFICE	2. FIELD
Aerotriangulation - Jan 15, 1971 Compilation Jan 21, 1972 Office Supplement I Jan 25, 1972	Aug 26, 1970 Dec 8, 1970

II. DATUMS

1. HORIZONTAL: ☒ 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: ☒ MEAN HIGH-WATER ☒ MEAN LOW-WATER ☐ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Polyconic

4. GRID(S): STATE: North Carolina; ZONE:

5. SCALE: 1:20,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	J Perrow	Sep 1971
METHOD: Stereoplanigraph	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	D. Phillips	Oct 1972
METHOD: Coradamat	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	H. Thomas, Gann	Feb 1972
	CHECKED BY	L. Neterer	Feb 1972
INSTRUMENT: Wild B-8	CONTOURS BY	NA	
SCALE: 1:20,000	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	R. Pate	Feb 1972
	CHECKED BY	A. Shands	Feb 1972
METHOD: Wild B-8 & Graphic	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:20,000	HYDRO SUPPORT DATA BY	R. Pate	Feb 1972
	CHECKED BY	A. Shands	Feb 1972
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	A. Shands	Feb 1972
6. APPLICATION OF FIELD EDIT DATA	BY	C. Blood	Mar 1975
	CHECKED BY	F. Margiotta	Mar 1975
7. COMPILATION SECTION REVIEW	BY	F. Margiotta	Mar 1975
8. FINAL REVIEW	BY	C. Bishop	Jan 1976
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	C. Bishop	Mar 1976
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. CATOR	MAY 1976

NOAA FORM 76-36A SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

ESSA FORM 76-36b (2-70)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

T-12288(2)

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 E & K

TYPES OF PHOTOGRAPHY LEGEND
X(C) COLOR
(P) PANCHROMATIC
X(I) INFRARED

TIME REFERENCE
ZONE: Eastern — [X] STANDARD
MERIDIAN: 75 — [ ] DAYLIGHT

TIDE STAGE REFERENCE
[X] PREDICTED TIDES
[ ] REFERENCE STATION RECORDS
[X] TIDE CONTROLLED PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
69 E(C) 3749 thru 3755	12/4/69	10:12	1:20,000	1.0 ft. above MLW
70 K(I) 5165 " 5271	4/3/70	11:30	1:20,000	±0.2 ft of MLW
70 E(C) 8733 " 8735	12/6/70	10:37	1:40,000	2.4 ft. above MLW

Mean Range

REMARKS
Reference Station: Charleston, SC — 5.2 ft.
Subordinate Station: Tubbs Inlet, NC — 4.5 ft.

2. SOURCE OF MEAN HIGH-WATER LINE:

a. Office interpretation of Dec. 6, 1970 photography
b. Frequent field measurements from photo-identifiable points and points of known position on the map made by the field editor in Feb. 1975.
c. Stadia traverse in Feb. 1975 from long 78° 29.5' to west edge of map.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

Tide controlled infrared photography taken on April 8, 1970, except for the area of Tubbs Inlet which was delineated from color photography taken on Dec. 6, 1970. See Item 31 of compilation report for explanation.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS *(List only those surveys that are sources for photogrammetric survey information.)*

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED
No contemporary survey					

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No contemporary survey	T-12289(2)	No contemporary survey	T-12295(2)

REMARKS

ESSA FORM 76-36B

USCOMM-DC 46200-P70

NOAA FORM 76-36C
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

T-12288(2)

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		J. Wilson	Nov 11,1970
2. HORIZONTAL CONTROL	RECOVERED BY	J. Wilson	Nov 11,1970
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	R. Kesselring	Nov 11,1970
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	None	
	LOCATED (*Field Methods*) BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION: [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Premark

PHOTO NUMBER	STATION NAME
70E(C) 8735	SEASIDE 1934

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: [ ] REPORT [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [ ] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (*Sketch books, etc.* DO NOT *list data submitted to the Geodesy Division*)

1 Form 76-53 Control Station Identification

★U. S. GOVERNMENT PRINTING OFFICE: 1973--768074/1057 REGION NO. 6

NOAA FORM 76-36C
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

T-12288(2)

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. Tibbetts	Feb. 1975
2. HORIZONTAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY	NA	
	LOCATED *(Field Methods)* BY	R. Kesselring	Feb. 1975
	IDENTIFIED BY	NA	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. Kesselring	Feb. 1975
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED: None

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS *(Clarification of details)*
69 E(C) 3750, 3752, 3755

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
Data for objects located by field methods are listed under 8. below.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS
None

8. OTHER FIELD RECORDS *(Sketch books, etc. DO NOT list data submitted to the Geodesy Division)*
6 Form 76-53 Control Station Identification (for Ldmks, aids, & photo points)
2 Form 76-40 Nonfloating Aids or Landmarks for Charts
2 Field Edit Ozalids (1 paper, 1 film)
1 Field Edit Report

NOAA FORM 76-36C
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36D
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

T-12288(2)

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Feb 1972	Class III Superseded	None	May 16,1972
Field edit applied, compilation complete	Mar 1975	Class I Superseded	Mar 7, 1975	
Final Review	Jan 1976		2-27-76	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
4		Apr 9, 1975	Non-floating Aids for Charts
1		Apr 9, 1975	Landmark for Charts

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: April 9, 1975
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. [X] BRIDGING PHOTOGRAPHS; [X] DUPLICATE BRIDGING REPORT; [X] COMPUTER READOUTS.
2. [X] CONTROL STATION IDENTIFICATION CARDS; [X] FORM NOS 76-40 SUBMITTED BY FIELD PARTIES.
3. [X] SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

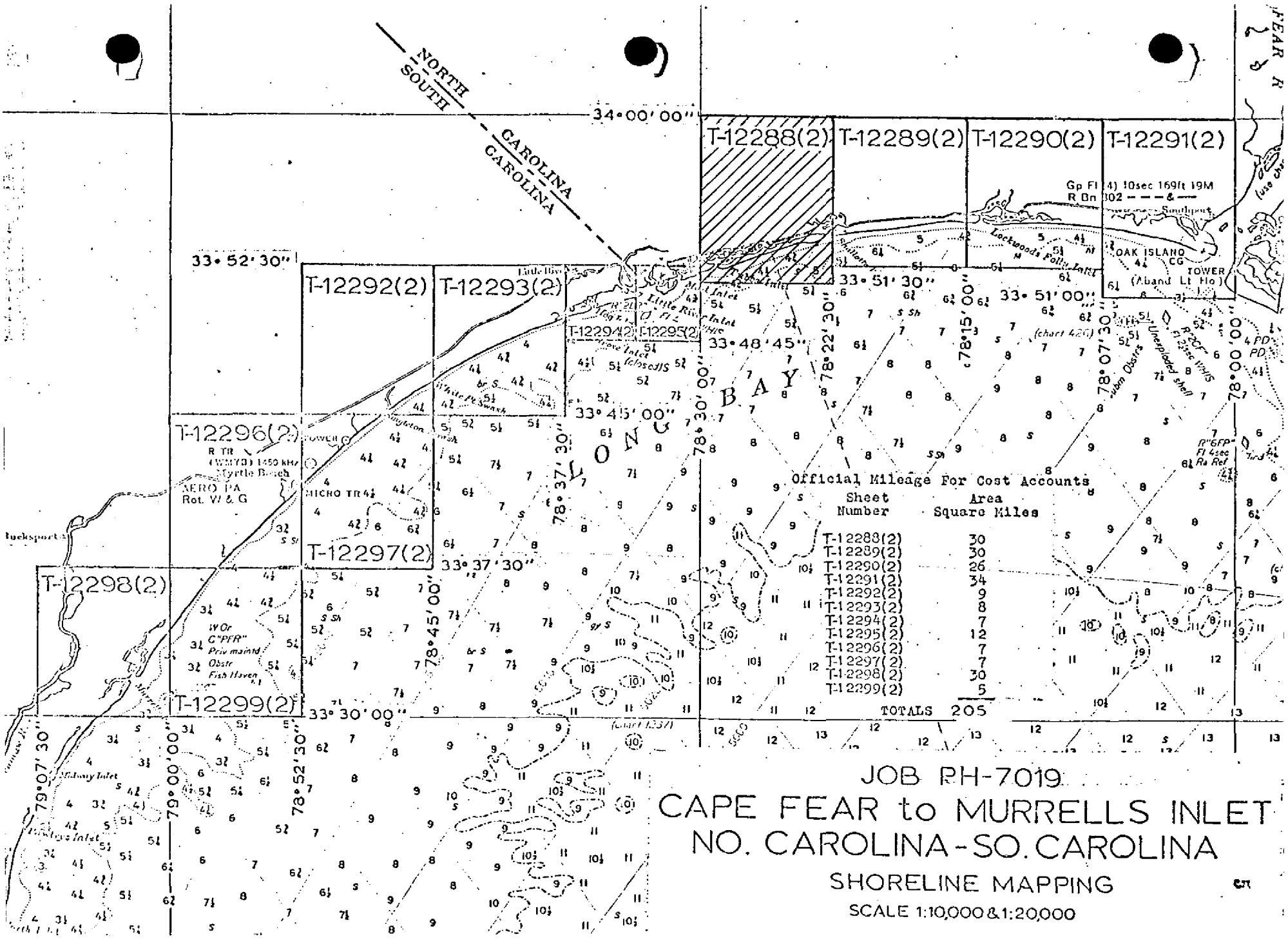
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL

NOAA FORM 76-36D

☆U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6



JOB RH-7019

CAPE FEAR to MURRELLS INLET
NO. CAROLINA - SO. CAROLINA

SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS T-12288 (2) through T-12299 (2)

Project PH-7019 is one of several projects that comprise the Seaward Coastal Plains Expedition (SCOPE). It is a resurvey most of Project PH-6217 and consists of ten 1:20,000 scale and two 1:10,000 scale shoreline manuscripts. The project extends from Cape Fear, NC to Murrells Inlet, SC. Only the Atlantic Ocean shoreline and shoreline adjacent to inlets was mapped.

The only field work prior to compilation was the identification and premarking of horizontal control required for bridging.

Bridging was done in the Rockville Science Center in Sept., 1971, using the stereoplanigraph with 1:40,000 scale photography taken in December, 1970. The Bald Head Island area was bridged as part of Project CM-7219 in 1973, using 1:40,000 scale color photography taken in October, 1972.

Compilation was done at the Atlantic Marine Center in February and March, 1972.

Field edit was done as follows:

Map	Field Edit Performed by: Experienced Photogrammetrist	Trainee	Date
T-12288 (2)	x		Feb., 1975
T-12289 (2)		x	Feb., 1973
T-12290 (2)		x	Jan., 1973
T-12291 (2)		x	Jan., 1973
T-12292 (2)	x		June, 1974
T-12293 (2)	x		June, 1974

Map	Field Edit Performed by: Experienced Photogrammetrist	Trainee	Date
T-12294 (2)	x		Aug., 1972
T-12295 (2)	x		Aug., 1972
T-12296 (2)	x		May, 1974
T-12297 (2)	x		June, 1974
T-12298 (2)	x		May, 1974
T-12299 (2)	x		May, 1974

The original manuscripts were stabilene sheets. The 1:20,000 scale maps are $7\frac{1}{2}$ minutes in latitude by $7\frac{1}{2}$ minutes in longitude, except T-12288 (2) which is $8\frac{1}{2}$ minutes in latitude by $7\frac{1}{2}$ minutes in longitude, and T-12291 (2) which is 9 minutes in latitude by $7\frac{1}{2}$ minutes in longitude. The 1:10,000 scale maps, T-12294 (2), and T-12295 (2), are each 3 3/4 minutes in latitude by 3 3/4 minutes in longitude.

A cronaflex positive copy and a negative of each final reviewed map were forwarded for record and registry.

PHOTOGRAMMETRIC PLOT REPORT
Job PH-7019
Cape Fear to Murrells Inlet
North Carolina and South Carolina

Sept 1971

21. Area Covered

This project covers the shoreline from Cape Fear, North Carolina, to just south of Murrells Inlet, South Carolina. Included are 12 T-sheets (T-12288(2) thru T-12299(2). All sheets are 1:20,000 scale with the exceptions of T-12294(2) and T-12295(2) which are 1:10,000 scale.

22. Method

Five strips of photography were bridged on the Zeiss Stereoplanigraph C-8 in order to obtain pass point positions and exact scale ratios (for Strips #5 thru #13) to be used during compilation. All bridging was performed using color positives rather than glass plates.

Strip #1 (70-E(C)-8716 thru 8725) was adjusted on four triangulation stations with tie points as checks. Strip #2 (70-E(C)-8731 thru 8742) was adjusted on four triangulation stations with companion points, ties with Strips #1 and #3, and one other station as checks. Strip #3 (70-E(C)-8647 thru 8664) was adjusted on nine triangulation points with companion points, ties with Strip #2, and three additional triangulation stations as checks. Strip #5 (69-E(C)-3754 thru 3761) and Strip #6 (69-E(C)-3715 thru 3720) were both adjusted to tie points from Strip #2. Both strips were adjusted on four tie points with additional ties between the two strips as checks. All tie points between strips were averaged. All adjustments were performed on the IBM 1620. All sheets were ruled and plotted on the Coradomat.

23. Adequacy of Control

Horizontal control complied with project instructions; however, it was not adequate in the area of junction of Strips 2 and 3. Vaught RM6, 1962, due to its placement, was visible, in stereo, only on Strip #3. Office identified control provided a substitute in this area.

Although all control held within National Map Accuracy the adjustments of these strips are very weak. No attempt should be made in the future to produce 1:10,000 scale sheets from

the material provided for the 1:20,000 scale sheets. The two short bridges (5 and 6), which were bridged on points from 1:40,000 scale photography, seem to be adequate for the 1:10,000 scale delineation but are only as good as the bridging for the 1:20,000 scale sheets.

All strips in this project were photogrammetrically weak due to the large water areas in the models.

24. Supplemental Data

Vertical control used for bridging only was obtained from local USGS quads.

25. Photography

Photography was adequate as to overlap and definition. Coverage was adequate with the exception of a small land area in the lower right hand edge of T-12291(2).

Respectfully submitted:

John D. Perrow, Jr.

Approved and Forwarded:

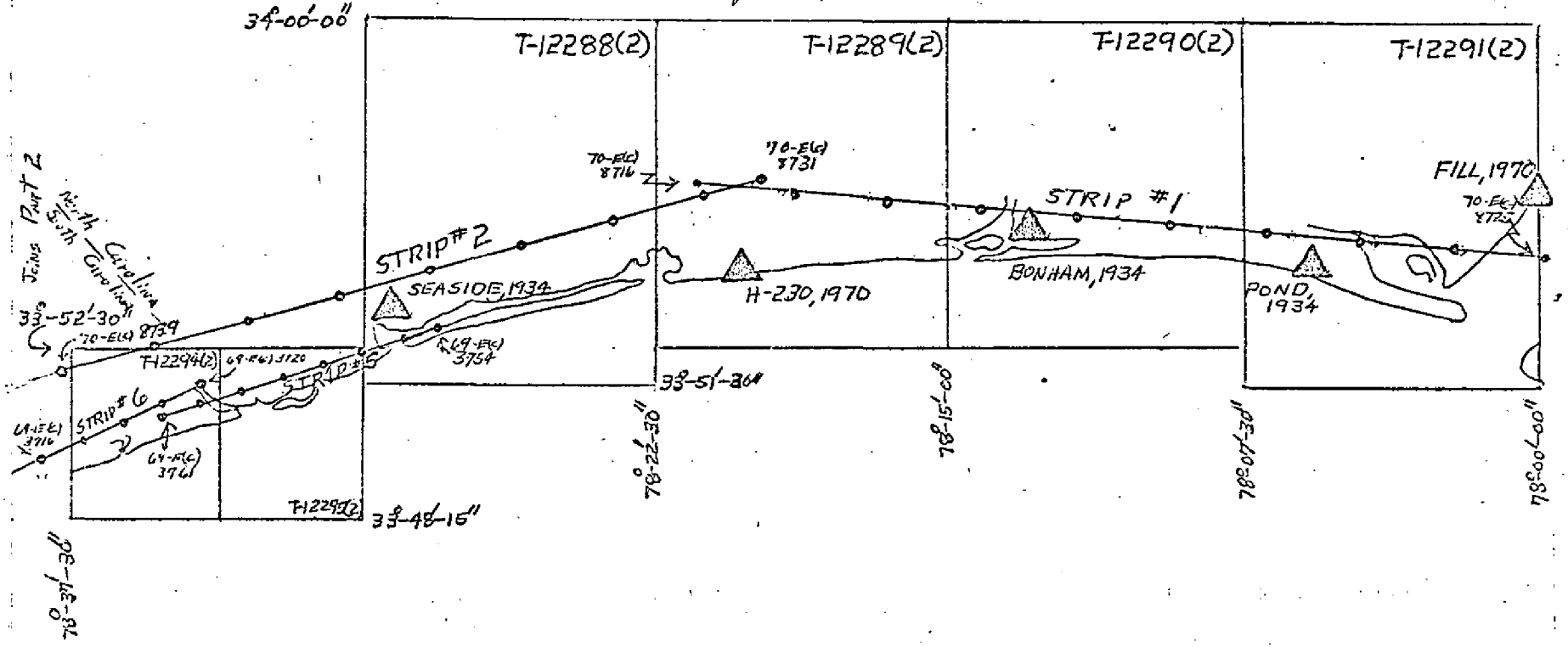
Henry P. Eichert, Chief
Aerotriangulation Section

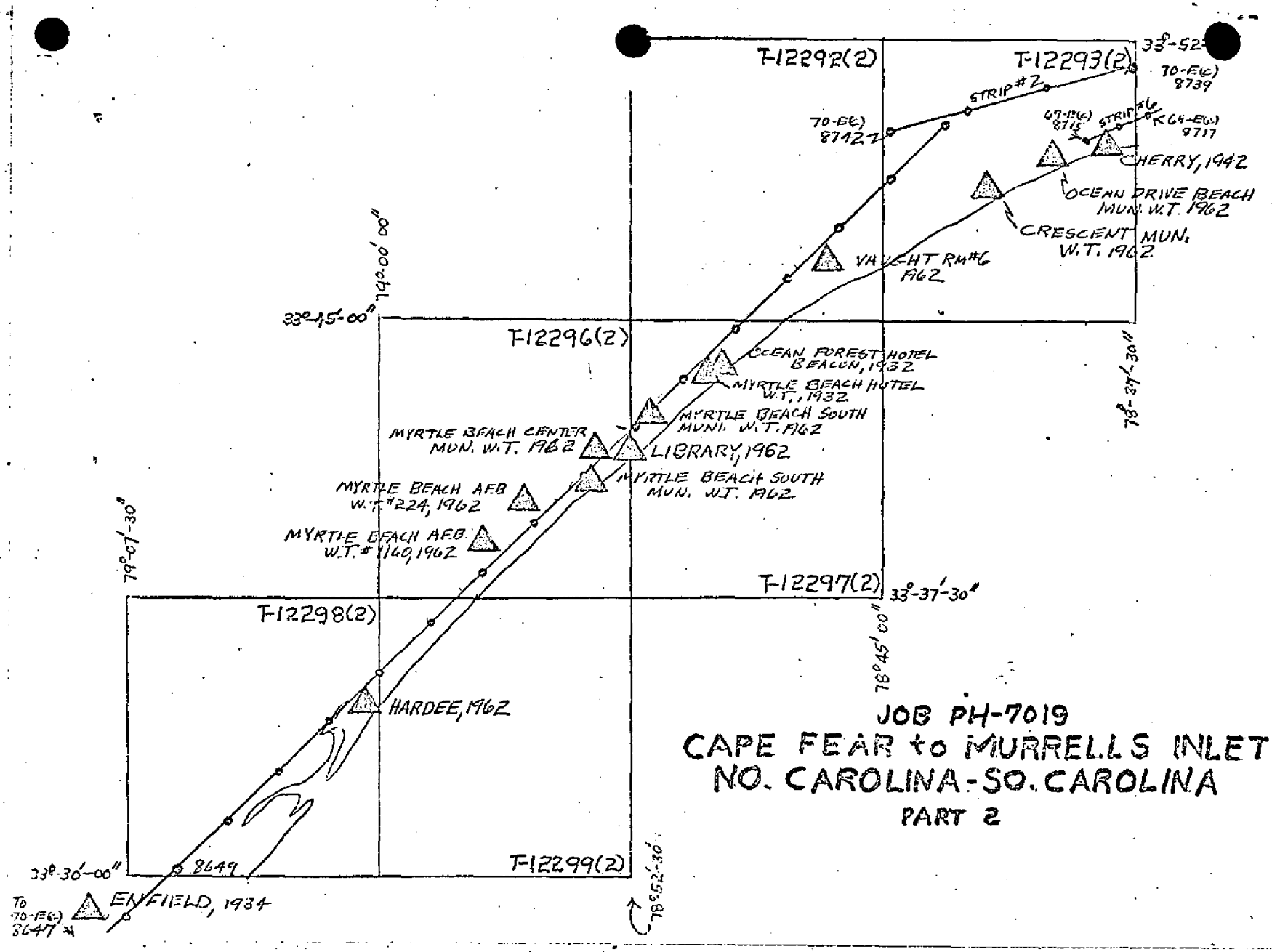
JOB PH-7019

CAPE FEAR to MURRELLS INLET
NO. CAROLINA - SO. CAROLINA

PART 1

Sht 7/





JOB PH-7019

CAPE FEAR to MURRELLS INLET
NO. CAROLINA - SO. CAROLINA
PART 2

NOAA FORM 76-41
(6-75)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
T-12288(2)	PH-7019	N.A.1927	Coastal Mapping Division (Norfolk)

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS FRONT	REMARKS BACK
SEASIDE, 1934	G-1929 PG. 215		x=	φ 33° 53' 43.731"	1347.4	(501.2)
			y=	λ 78° 29' 13.775"	353.9	(1187.8)
BALD BEACH, 1962	Unadjusted Field-G-13165, PG 1		x=	φ 33° 52' 13.939"	429.5	(1419.1)
			y=	λ 78° 29' 46.538"	1196.2	(346.0)
TUBBS, 1934	G-1929 PG. 218		x=	φ 33° 53' 13.610"	419.3	(1429.3)
			y=	λ 78° 28' 37.398"	961.0	(580.8)
BRICK, 1934	G-1929 PG. 215		x=	φ 33° 54' 21.157"	651.8	(1196.8)
			y=	λ 78° 23' 39.040"	1003.0	(538.5)
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		

COMPUTED BY	A. C. Rauck, Jr.	DATE	1/11/72	COMPUTATION CHECKED BY	DATE
LISTED BY	F. Margiotta	DATE	1/11/72	LISTING CHECKED BY	DATE
HAND PLOTTING BY		DATE		HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

T-12288 (2)

31. DELINEATION:

All detail, with the exception of the mean low water line, was compiled on the Wild B-8 stereo plotter, using 1:40,000 scale color dispositives of photography taken on December 6, 1970. The mean low water line was delineated graphically from tide controlled infrared photography taken at mean low water on April 3, 1970, except in the Tubbs Inlet area. Because there was a significant difference in the position of the mean low water line on the two sets of photography (April 1970 and December 1970), the December 1970 color photography was used to compile the mean low water line in the vicinity of Tubbs Inlet.

Ratio prints of color photography were processed for hydro support.

There was no field inspection prior to compilation.

Photographic coverage was adequate.

32. CONTROL:

See Photogrammetric Plot Report dated September 1971.

33. SUPPLEMENTAL DATA:

None

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

No drainage was compiled on this map.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line, mean low water line, and the foreshore area were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

None

37. LANDMARKS AND AIDS:

Form 76-40 for one (1) landmark for charting and four (4) non-floating aids to navigation was submitted to the Rockville Office on April 9, 1975.

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS:

See Form 76-36b, Item 5.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with U.S.G.S. Quadrangle SHALLOTTE, NC, scale 1:24,000, dated 1943, and with Shoreline Manuscript T-12288, which is the prior edition of T-12288 (2). Significant changes were noted in the configuration of the mean high water line in the vicinity of Tubbs and Shallotte Inlets. These areas are subject to frequent change because of tide and storm action.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 835-SC, scale 1:40,000, 8th edition, dated January 23, 1971; and with Chart 1237, scale 1:80,000, 4th edition, dated September 16, 1968.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

None

Submitted:

Charles H Bishop
for R. J. Pate
Cartographic Aid
February 23, 1972

Approved:

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

ADDENDUM TO COMPILATION REPORT

T-12288(2)

Field edit was adequate. The mean high water line was revised by frequent measurements made by the field editor from known points on the map manuscript and one photo-identifiable point. From long. 78° 29.5' to the west edge of the map, the mean high water line was relocated by a stadia traverse.

All field edit was done in February 1975.

Charles H. Bishop
Final Review
Januarary 9, 1976

29 Sept. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7019 (Cape Fear to Murrells Inlet, N.C.)

T-12288 (2)

Atlantic Ocean

Eastern Channel

Intracoastal Waterway

Long Bay

Ocean Isle Beach

Shallotte Inlet

Shallotte River

Shallotte Sound

Tubbs Inlet

Approved by

Chas. E. Harrington

Chas. E. Harrington
Staff Geographer--C51x2

NOAA FORM 75-74 (2-74)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T-10238 (2)

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
ALS	ALS	ALS	ALS

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)*	7. PHOTO HYDRO STATIONS
ALS	XX	XX

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
XX	XX	ALS	ALS

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
ALS	ALS	ALS	XX

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
XX	XX	ALS	ALS

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
ALS	ALS	NA

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	NA	NA	XX

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
ALS	ALS	XX	XX

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
NA	NA

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
ALS	ALS	ALS

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
ALS	ALS	XX	ALS

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
Compilation: A.L. Shands A.L. Shands	Albert C. Rauck, Jr. Albert C. Rauck, Jr.

41. REMARKS *(See attached sheet)*

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

COMPILER	SUPERVISOR
Charles E. Blood, 3/21/75 Reviewed-F. Margiotta, 3/75 Fran Margiotta	Albert C. Rauck, Jr. Albert C. Rauck, Jr.

43. REMARKS

Field edit was applied from: Photographs 69E(C) 3750 & 3752 & 3755;
Field edit film print and Field Edit Ozalid; Six Form 76-53; and two Form 76-40.

NOAA FORM 75-74 (2-74)

SUPERSEDES C&GS FORM 1002 WHICH MAY BE USED UNTIL EXISTING STOCK IS DEPLETED.

FIELD EDIT REPORT

JOB PH - 7019

CAPE FEAR, N.C. TO MURRELLS INLET, S.C.

MAP T - 12288 (2)

52. Adequacy of Compilation

Compilation was adequate. Measurements to the MHWL were taken by another field party at frequent intevals, as requested on the field edit ozalid, before the letter from the Chief, Coastal Mapping Division dated May 28, 1974 was written regarding this subject. A shoreline change on Bald Beach, at the southwestern edge of the sheet was also topoed in before the letter was written. These shoreline measurements and changes were indicated on the film ozalid of the map which is included with th report. The extensive canal system near the center of the manuscript, erroneously labeled "ponds", is now nearly complete and should, perhaps, be compiled as it will look when it is completed. Both Shallotte Inlet and Tubbes Inlet are undergoing almost continual change. They are correctly labeled on the map.

54. Recommendations

There are no recommendations.

56. Landmarks and Non-Floating Aids for Navigation

There is one landmark on this sheet, a tank, at latitude 33° 53.1', longitude 78° 25.9'. The tank was not extant at the time of photography. It was located with an angle and distance from a photo point. The tank is large, tall and white, it should make an excellent landmark. the tank was indicated on the field edit ozalid, entered on Form 76-40 and referanded on Form 76-53, all of which are included with this report.

There are four fixed aids to navigation within the compiled limits of this map. They are Intracoastal Waterway aids. They were located by angle and distance from a 1970 traverse station using the tank mentioned above as an azimuth. The aids were indicated on the film ozalid, cross-referenced on the field edit ozalid, and entered on Forms 76-40 and 76-53 which are included with this report.

57. Rocks, Reefs, and Shoals

There are no rocks or reefs, as defined, within the compiled limits of this map. The only shoals are in the two inlets and were adequately delineated.

58. Photography

Photography consisted of 1:20,000 ratio color photographs, both field edit and office prepared. The photography was excellent.

59. Disposition of Data

The field edit ozalid, the film ozalid, the color photography and all pertinent field edit data and records were transmitted to the Director, Atlantic Marine Center on February 26, 1975.

Richard E. Kesselring
Surveying Technician
Photo Party 62

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Rockville, Md. 20852

Date : MAY 28 1974

For Your Attention: C34x1

To : Chief, Coastal Mapping Division, CAM5

From : Wesley V. Hull
Commander, NOAA
Chief, Coastal Mapping Division, C34

Subject: Field Edit of the MHW, MLW, MLLW, and MWL Lines Compiled from Tide-Coordinated Infrared Photography

1. Shoreline and low water line compiled from tide-coordinated infrared photography shall be accepted as of the date of photography. The descriptive report for each affected map shall so state, clearly and unmistakably. This requirement shall apply even though three or four years may have elapsed between the date of photography and the date of field edit.

2. An exception shall be made in any area where extensive changes have occurred when field edit and hydrography are conducted concurrently, or nearly so. This exception is made to provide smooth sheet data compatible with contemporary hydrography.

3. The field editor shall inform the Chief, Surveys Planning Branch (C344), of any areas of extensive change since the date of photography. This information shall be furnished immediately after determination of the magnitude and areal extent of the changes. The field editor's information will be evaluated and a determination made whether to schedule supplemental photography to up-date the manuscripts, or to use field methods to do so, prior to preparation of the next edition of each map affected.

4. The provisions of this memorandum shall become effective May 20, 1974, and shall remain in effect until superceded by issuance of Photogrammetric Instructions No. 72, Field Edit.

To charts
4/7/75

NOAA FORM 76-40
(8-74)
Replaces C&GS Form 567.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

~~HORIZONTAL AIDS~~ LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [X] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [XX] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC- Norfolk,Va.	North Carolina	Cape Fear to Murrells Inlet	March 1975

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
437	Ph-7019	T-12288(2)	N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
TANK	Steel, Ht.=205(212)	33-53	20.29 625	78-25	56.70 1457		P-6-L Feb.24,1975 69E(C)3752	835SC 1236

20

To charts
4/7/75

NOAA FORM 76-40 (8-74)
Replaces C&GS Form 567.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NONFLOATING AIDS [redacted] FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [X] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [X] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office): Coastal Mapping Div. AMC- Norfolk,Va.
STATE: North Carolina
LOCALITY: Cape Fear to Murrells Inlet
DATE: Mar.1975

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.: 437
JOB NUMBER: Ph-7019
SURVEY NUMBER: T-12288(2)
DATUM: N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
LIGHT	Intracoastal Waterway Cape Fear-Little River Light 78	33-54	45.34 1397	78-22	37.92 974		P-6-L Feb.24,1975 69E(C)3752	835SC 1236
DAYBEACON	" " Cape Fear-Little River Daybeacon 80	33-54	36.77 1133	78-22	50.06 1286		" " "	" "
DAYBEACON	" " Cape Fear-Little River Daybeacon 80A	33-54	20.38 628	78-23	13.43 345		" " "	" "
LIGHT	" " Cape Fear-Little River Light 81	33-54	16.39 505	78-23	20.71 532		" " "	" "

REVIEW REPORT T-12288 (2)

SHORELINE

January 13, 1976

61. GENERAL STATEMENT:

This survey is a resurvey of Survey T-12288. See Summary, which is page 6 of this Descriptive Report.

A comparison print showing differences notes in Paragraphs 62, 63, and 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey T-12288, 1:20,000 scale, compiled in 1965. Additional land development has occurred between longitude 78° 24' and longitude 78° 27'. Changes in shoreline at Tubbs Inlet and Shallotte Inlet are shown in blue on the comparison print.

In the area compared, T-12288 (2) supersedes T-12288 for nautical chart construction pruposes. T-12288 is the latest registered prior survey of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle SHALLOTTE, N. C., 1:24,000 scale, dated 1943. Significant changes in shoreline in the vicinities of Tubbs Inlet and Shallotte Inlet are shown in brown on the comparison print. These areas are subject to frequent change caused by storms and tides.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a copy of the verified smooth sheet for H-9096 (WH 20-3-70). No significant difference was noted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11534, 1:40,000 scale, 12th edition, dated March 1975. Significant differences are noted in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions and meets the requirements for Bureau Standards and National Standards of Map Accuracy.

Submitted by:

Charles H. Bishop

Charles H. Bishop
Cartographer
January 13, 1976

Approved for forwarding:

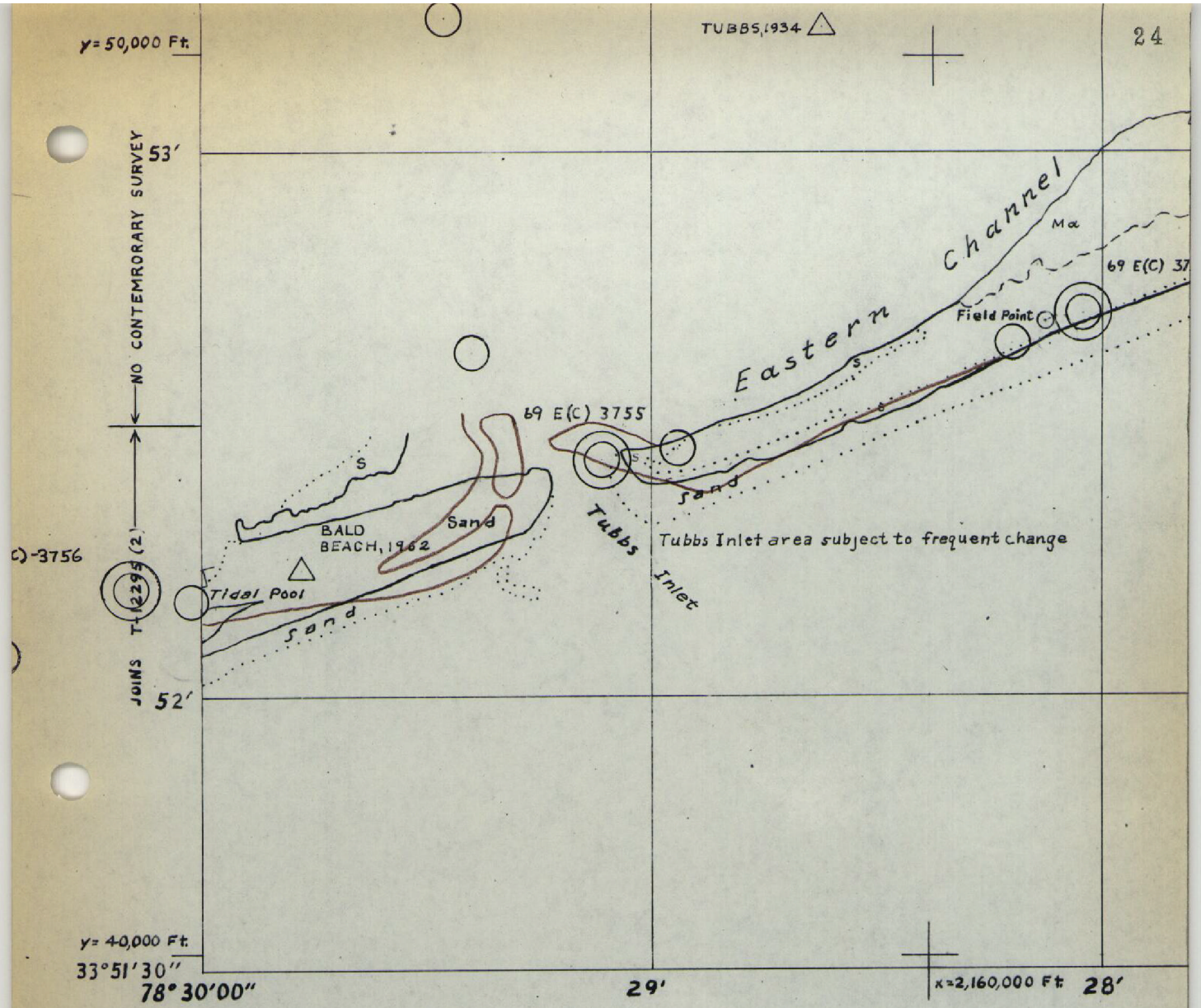
Joseph W. Vonasek

Joseph W. Vonasek
Acting Chief, Photogrammetric Branch, AMC

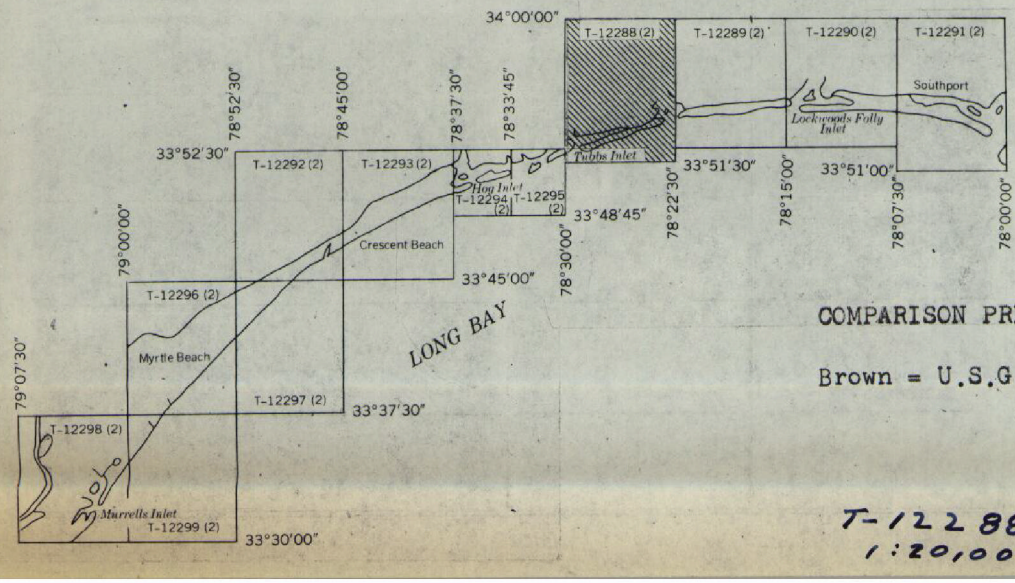
Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division



INDEX TO ADJOINING SHEETS JOB PH-7019



COMPARISON PRINT

Brown = U.S.G.S.

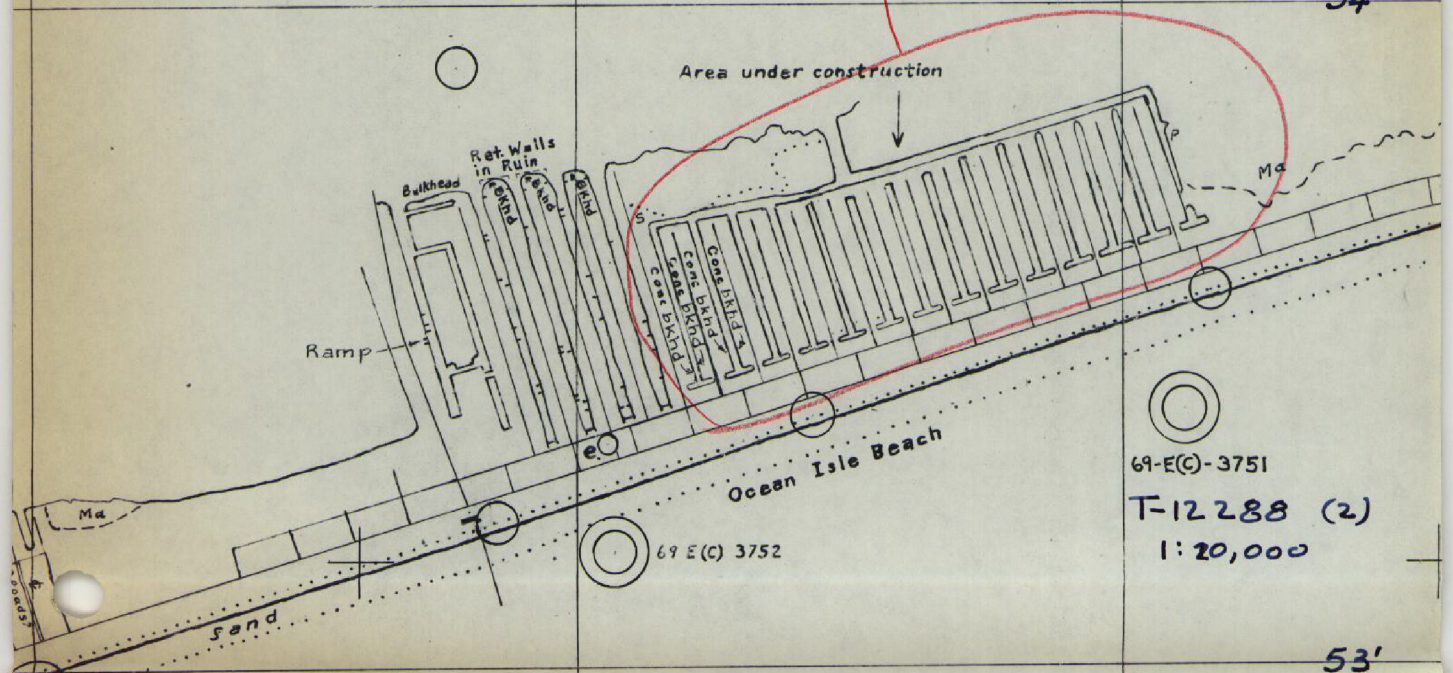
T-12288 (2)
1:20,000

33°55'00"

COMPARISON PRINT

of land development
This area is not charted
and is not mapped on
T-12288 or USGS

54'



53'

26'

78°25'00"

LANDMARKS AND
NONFLOATING AIDS TO NAVIGATION

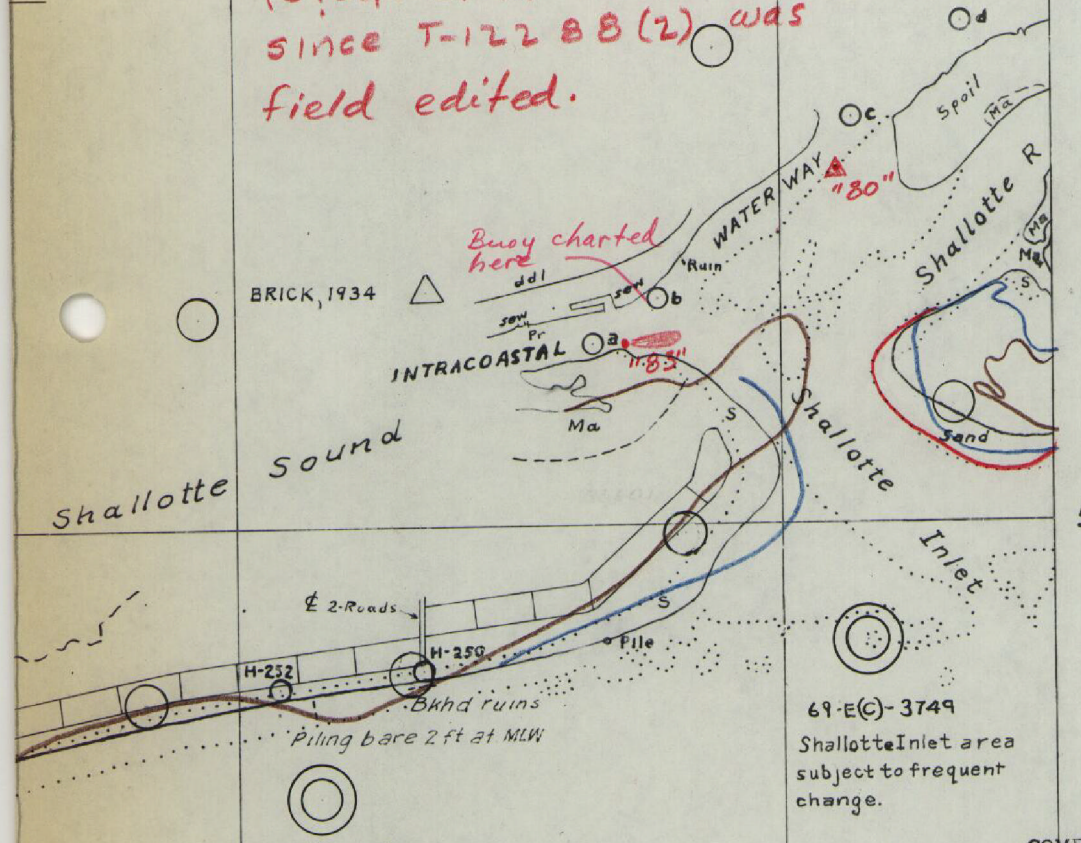
CAPE FEAR-LITTLE RIVER-
a. LIGHT 81
b. DAYBEACON 80 A
c. DAYBEACON 80
d. LIGHT 78
e. TANK ht = 205(212)

JOINS T-12288

33°
55'

Apparently aids to navigation (except Lt. 78) have been moved since T-12288(2) was field edited.

Y = 60,000 Ft.



COMPARISON PRINT

Blue = T-12288
Brown = U.S.G.S.
Red = Chart 11534

Y = 50,000 Ft.

T-12288 (2)
1:20,000

53'

3 24' 23' 78°22'30"